Name of Work: Improvements to Roads and Asphalting at Maruthi layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

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Name of Da ...nts to Roads and Asphalting at Maruthi layout Surrounding area ...n Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Item No		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Removin... slabs of drains and pointing in C.M (1:3)								
	Vide Premeasurement page no. 1					63.00			
	Present Qty					**63.00**	**Sqm**	**116.85**	**7361.55**
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	Vide Premeasurement page no. 2 to 4					813.32			
	Present Qty					**813.32**	**Cum**	**217.96**	**177271.23**
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - do - 7.5 cms thick								
	Vide Premeasurement page no. 5					78.93			
	Present Qty					**78.93**	**Sqm**	**779.03**	**61488.84**
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded								
	Vide Premeasurement page no. 6 to 7					11.86			71564.54
	Present Qty					**11.86**	**Cum**	**6034.11**	**71535.88**
5	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and								
	Vide Premeasurement page no. 8					104.26			
	Present Qty					**104.26**	**Sqm**	**1070.60**	**111620.76**
6	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by								
	Vide Premeasurement page no. 9 to 10					117.89			671082.93
	Present Qty					**117.89**	**Cum**	**5692.45**	**671097.16**
7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering,							232.73 = 8.42 = total	1727554.79 62501.66 1790056.45
	Vide Premeasurement page no. 11 to 13					241.15			
	Note 125% 232.73 + Above 125% 8.42 = **Present Qty**					**241.15**	**Cum**	**7423.00**	**1790044.57**
8	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary							16.63 = 0.52 =	1262817.35 39486.78
	Vide Premeasurement page no. 14 to 16					17.15			1302304.13
	Note 125% 16.63 + Above 125% 0.52 = **Present Qty**					**17.15**	**MT**	**75936.10**	**1302005.15**
11	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and								
	Vide Premeasurement page no. 17 to 18					689.11			
	Present Qty					**689.11**	**Cum**	**59.07**	**40705.54**
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on								
	Vide Premeasurement page no. 19 to 20					91.78			192230.46
	Present Qty					**91.78**	**Cum**	**2094.47**	**192239.36**
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage								
	Vide Premeasurement page no. 21 to 22					721.43			
	Present Qty					**721.43**	**Cum**	**2101.14**	**1515825.17**

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Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
14	KSRRB M500-6 Providing and applying primer coat with S S bitumen emulsion on prepared surface of granular base such as WMMincluding cleaning of road surface and spraying primer at the rate of0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V								
	Vide Premeasurement page no. 23 to 24					2756.43			
						Present Qty	**2756.43**	**Sqm**	**30.05**	**82830.65**

K.S.Chowdareddy
Contractor

Assistant Engineer

Asst. Executive Engineer,

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total for 23.5 Lakhs

Name of Work: Improvements to Roads and Asphalting at Maruthi layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Item No.	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the								
	Maruthi Layout								
	CC Drain Covering Slab								
	Mount Sales Pen Store Rd								
	RHS								
	Ch: 0.00m to 30.00m		30.00						
	Ch: 30.00m to 60.00m		30.00						
	Ch: 60.00m to 74.00m		14.00						
	LHS								
	Ch: 0.00m to 26.40m	1	26.40	0.90		23.76			
	Ch: 26.40m to 32.60m **Rd Gap**		6.20						
	Ch: 32.60m to 46.30m	1	13.70	0.90					
	Ch: 46.30m to 62.30m	1	16.00	0.90		14.40			
	11th Cross Rd (From 1st Main Rd)								
	RHS								
	Ch: 0.00m to 16.00m	1	16.00	0.90		14.40			
	Ch: 16.00m to 19.00m		3.00						
	Ch: 19.00m to 38.00m	1	19.00	0.90		17.10			
	Ch: 38.00m to 47.60m		9.60						
	Ch: 47.60m to 77.60m	1	30.00	0.90		27.00			
	Ch: 77.60m to 84.90m	1	7.30	0.90		6.57			
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 84.90m	1	24.90	0.90		22.41			
	10th A Cross Rd (From Mount Sales Pen Store)								
	RHS								
	Ch: 0.00m to 10.50m	1	10.50	0.90		9.45			
	Ch: 10.50m to 28.50m		18.00						
	Ch: 28.50m to 46.70m	1	18.20	0.90		16.38			
	Ch: 46.70m to 56.30m	1	9.60	0.90		8.64			
	Ch: 56.30m to 66.00m	1	9.70	0.90		8.73			

222.84

Executive Engineer

S.S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

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Ch: 66.00m to 78.50m		12.50						
Ch: 78.50m to 87.60m	1	9.10	0.90		8.19			
LHS								
Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
Ch: 30.00m to 40.90m	1	10.90	0.90		9.81			
Ch: 40.90m to 70.90m		30.00						
Ch: 70.90m to 87.60m		16.70						
9th A Cross Rd (From 1st Main Rd)								
RHS								
Ch: 0.00m to 13.20m	1	13.20	0.90		11.88			
Ch: 13.20m to 43.20m	1	30.00	0.90		27.00			
Ch: 43.20m to 43.40m	1	0.20	0.90		0.18			
Ch: 43.40m to 62.20m	1	18.80	0.90		16.92			
Ch: 62.20m to 80.40m	1	18.20	0.90		16.38			
Ch: 80.40m to 89.40m	1	9.00	0.90		8.10			
LHS								
Ch: 0.00m to 4.90m	1	4.90	0.90		4.41			
Ch: 4.90m to 17.20m	1	12.30	0.90		11.07			
Ch: 17.20m to 31.50m	1	14.30	0.90		12.87			
Ch: 31.50m to 61.50m	1	30.00	0.90		27.00			
Ch: 61.50m to 67.50m	1	6.00	0.90		5.40			
Ch: 67.50m to 78.30m	1	10.80	0.90		9.72			
Ch: 78.30m to 96.00m	1	17.70	0.90		15.93			
Muniraj House Rd								
RHS (From End)								
Ch: 0.00m to 11.50m	1	3.00	0.90		2.70			
Ch: 11.50m to 17.60m	1	2.00	0.90		1.80			
Ch: 17.60m to 34.50m	1	3.00	0.90		2.70			
Ch: 34.50m to 41.90m **Rd Gap**		7.40						
Ch: 41.90m to 64.10m	1	6.00	0.90		5.40			
Ch: 64.10m to 73.90m		2.00						
Ch: 73.90m to 97.00m	1	5.00	0.90		4.50			
Ch: 97.00m to 120.30m	1	7.00						
Ch: 120.30m to 127.80m		2.00	0.90		0.00			
LHS								
Ch: 0.00m to 9.60m	1	3.00	0.90					
Ch: 9.60m to 18.10m	1	3.00	0.90		2.70			
Ch: 18.10m to 24.30m		2.00						
Ch: 24.30m to 36.30m	1	4.00	0.90		3.60			
Ch: 36.30m to 42.30m	1	2.00	0.90		1.80			
Ch: 42.30m to 44.90m	1	1.00	0.90		0.90			
Ch: 44.90m to 68.40m		8.00						

Executive Engineer

Asst.Engineer

Asst.Exec.Engineer

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Ch: 68.40m to 78.50m	1	4.00	0.90		3.60			
Ch: 78.50m to 80.90m		1.00						
Ch: 80.90m to 85.90m	1	2.00	0.90		1.80			
Ch: 85.90m to 93.30m **Rd Gap**		7.40						
Ch: 93.30m to 123.30m	1	9.00	0.90		8.10			
Ch: 123.30m to 127.40m	1	1.00	0.90		0.90			
				Present Qty	**475.20**	**Sqm**	**2453.62**	**1165960.22**

K.S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

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Name of Work: **Improvements to Roads and Asphalting at Maruthi layout Surrounding area Pasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division**

Detailed Measurements

Measurement Recorded On:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.								
Culvert Covering Slab								
11th Cross Rd End	1	7.30	1.50		10.95			
10th A Cross Rd End	1	7.90	1.20		9.48			
9th A Cross Rd End	1	8.10	1.20		9.72			
Mount Sales Pen Store Rd	1	6.40	1.20		7.68			
					37.83	**Sqm**	**5688.36**	**215190.66**

20/09

Executive Engineer

K.S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

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Name of Work: Improvements to Roads and Asphalting at Maruthi layout Surrounding of Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired								
Asphalt Road								
Maruthi Layout								
Mount Sales Pen Store Rd								
Ch: 0.00m to 30.00m	1	30.00	(5.10 + 5.40)/2	0.04	6.30			
Ch: 30.00m to 32.20m	1	2.20	(5.40 + 5.40)/2	0.04	0.48			
Culvert Gap		1.70						
Ch: 33.90m to 63.90m	1	30.00	(5.70 + 6.10)/2	0.04	7.08			
Ch: 63.90m to 93.90m	1	30.00	(6.10 + 6.20)/2	0.04	7.38			
Ch: 93.90m to 102.20m	1	8.30	(6.20 + 6.35)/2	0.04	2.08			
11th Cross Rd								
Ch: 0.00m to 30.00m	1	30.00	(5.60 + 5.65)/2	0.04	6.75			
Ch: 30.00m to 60.00m	1	30.00	(5.65 + 5.10)/2	0.04	6.45			
Ch: 60.00m to 85.00m	1	25.00	(5.10 + 5.70)/2	0.04	5.40			
10th A Cross Rd								
Ch: 0.00m to 30.00m	1	30.00	(5.70 + 4.80)/2	0.04	6.30			
Ch: 30.00m to 60.00m	1	30.00	(4.80 + 5.40)/2	0.04	6.12			
Ch: 60.00m to 88.00m	1	28.00	(5.40 + 5.80)/2	0.04	6.27			
9th A Cross Rd								
Ch: 0.00m to 30.00m	1	30.00	(6.40 + 5.90)/2	0.04	7.38			

67.99

K.S. Chowdareddy
Contractor

Asst.Engineer 28/02/2020

Asst.Exec.Engineer

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Ch: 30.00m to 60.00m	1	30.00	5.90 + 6.20 / 2	0.04	7.26			
Ch: 60.00m to 90.00m	1	30.00	6.20 + 6.30 / 2	0.04	7.50			
Ch: 90.00m to 96.70m	1	6.70	6.30 + 6.00 / 2	0.04	1.65			
Muniraj House Rd								
Ch: 0.00m to 30.00m	1	30.00	5.70 + 4.70 / 2	0.04	6.24			
Ch: 30.00m to 60.00m	1	30.00	4.70 + 5.20 / 2	0.04	5.94			
Ch: 60.00m to 90.00m	1	30.00	5.20 + 4.70 / 2	0.04	5.94			
Ch: 90.00m to 120.00m	1	30.00	4.70 + 5.30 / 2	0.04	6.00			
Ch: 120.00m to 128.20m	1	8.20	5.30 + 5.30 / 2	0.04	1.74			897606.81
				Present Qty	**110.26**	**Cum**	**8140.82**	**897583.20**

Executive Engineer

28/2/22

S. Chowdareddy

Asst.Engineer

Asst.Exec.Engineer

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Name of Work: Improvements to Roads and Asphalting at Maruthi layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803								
	Asphalt Road								
	Maruthi Layout								
	Mount Sales Pen Store Rd								
	Ch: 0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch: 30.00m to 32.20m	2	2.20	0.10		0.44			
	Culvert Gap		1.70						
	Ch: 33.90m to 63.90m	2	30.00	0.10		6.00			
	Ch: 63.90m to 93.90m	2	30.00	0.10		6.00			
	Ch: 93.90m to 102.20m	2	8.30	0.10		1.66			
	11th Cross Rd								
	Ch: 0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch: 30.00m to 60.00m	2	30.00	0.10		6.00			
	Ch: 60.00m to 85.00m	2	25.00	0.10		5.00			
	10th A Cross Rd								
	Ch: 0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch: 30.00m to 60.00m	2	30.00	0.10		6.00			
	Ch: 60.00m to 88.00m	2	28.00	0.10		5.60			
	9th A Cross Rd								
	Ch: 0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch: 30.00m to 60.00m	2	30.00	0.10		6.00			
	Ch: 60.00m to 90.00m	2	30.00	0.10		6.00			
	Ch: 90.00m to 96.70m	2	6.70	0.10		1.34			
	Muniraj House Rd								
	Ch: 0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch: 30.00m to 60.00m	2	30.00	0.10		6.00			
	Ch: 60.00m to 90.00m	2	30.00	0.10		6.00			

92.04

K.S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

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Ch 90.00m to 120.00m	2	30.00	0.10			6.00			
Ch 120.00m to 128.20m	2	8.20	0.10			1.64	1.00		
					Present Qty	99.68	Sqm	477.43	47590.22
							Total	8354766.68	
							GST 12%	1002572.00	
							Grand Total	9357338.69	

Round off 93,52,000.00

K.S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

A.E

A.E.E

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